

Application Number 10/593,750

Amendment dated April 20, 2010

Response to Notice of Non-Compliant Amendment, dated March 24, 2010, and the Office action of June 25, 2009

Amendments to the Specification:

Please replace the Abstract with the following new Abstract:

An apparatus for controlling the power output of an unthrottled engine has a variable gear ratio transmission connected between a mechanical load and the engine, and it has a controller for controlling the torque load on the engine, according to the power output required. The controller measures the torque output of the unthrottled engine at the power output required, and sets the gear ratio of the transmission to produce a torque load on the engine equal to the torque output of the engine. This means the unthrottled engine will reach an equilibrium with the mechanical load at the required power output. Controlling the unthrottled engine in this way involves receiving a signal describing the power output requirement, varying a gear ratio of the transmission, and establishing a torque equilibrium between the load and the engine.